

ABSTRACT

An object of the invention is to provide a floating mobile object control system capable of causing a floating mobile object to stand still in a predetermined position with high precision or track a target trajectory with high precision, even under
5 disturbances caused by waves, tidal current, etc.

A floating mobile object control system of the present invention capable of achieving the above object is a control system
1 for a floating mobile object 10, in which the floating mobile
10 object includes: a main body part B that can be considered as a
single rigid body constituting a part of the floating mobile object;
an effector part E for generating a thrust for the floating mobile
object; and a thrust transfer gate G for dynamically connecting
the main body part and the effector part, the thrust transfer gate
15 being adapted to be able to actually measure a thrust from the
effector part acting on the main body part, and a measured value
for the thrust from the thrust transfer gate G is used to obtain
a thrust command to the effector part E (FIG. 4).